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ILLINOIS HUNTER HARVEST SURVEY, 1995-96

William L. Anderson, Linda K. Campbell, and Anne E. Zielske

FEDERAL AID IN WILDLIFE RESTORATION ACT
PROJECT NUMBER: W-112-R-5

JOB COMPLETION REPORT
WILDLIFE HARVEST AND HUNTER OPINION SURVEYS
STUDY 1
JOB NUMBER 1



Brent Manning, Director
Department of Natural Resources

Kirby D. Cottrell, Director
Office of Resource Conservation

NATURAL HISTORY SURVEY

NOV 11 1998

Jeffrey M. Ver Steeg, Chief
Division of Wildlife Resources

1 November 1996

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**JOB COMPLETION REPORT
INVESTIGATIONS AND SURVEYS PROGRAM**

STATE OF ILLINOIS

PROJECT NUMBER: W-112-R-5

JOB NO. 1

OBJECTIVE

To collect information on the annual harvest of game species in Illinois and associated hunter characteristics.

ABSTRACT

From an estimated sale of 324,062 resident hunting, Sportsmen's (combination hunting/fishing), and senior citizen hunting licenses, 5,101 potential hunters were selected to obtain information on hunting activities for 20 game hunting categories. A total of 3,750 responses (73.5% response rate) were utilized to project estimates of hunting effort and harvest. The distribution of harvest and hunting effort among the 10 wildlife management units and 5 administrative regions are presented. Increases in harvests in 1995 over harvests in 1994 were noted for pheasant, dove, gray partridge, deer-long gun, deer-handgun, deer-archery, raccoon, and opossum. Decreases in harvests in 1995 when compared with 1994 were noted for rabbit, quail, woodcock, common snipe, crow, groundhog, fox squirrel, gray squirrel, red fox, gray fox, and coyote. Rail harvest did not change. Data for overlap between hunting license purchasers and habitat stamp purchasers, distribution and use of the Illinois Digest of Hunting and Trapping Regulations, and gender and age of resident hunters, are also included. The annual sales of resident hunting licenses in Illinois from 1938 to 1995 are provided in Appendix A (Table A1).

PROCEDURES

Name-address cards were completed and mailed to the Department of Natural Resources (DNR) by license vendors or by purchasers of 1995 resident hunting licenses. A total of 3,255 legible cards were received. An additional 2,000 names-addresses were obtained by systematically sampling residents who purchased the 1995 Illinois Habitat Stamp. The habitat stamp was required for most hunters who pursued any game species except waterfowl (ducks, geese, and coots). However, 87% of the waterfowl hunters purchase a habitat stamp in addition to an Illinois Migratory Waterfowl Stamp (Anderson and Williamson 1994).

An initial mailing (Figures 1-3) and a follow-up mailing to non-respondents (Figure 4) were made. Postage paid return envelopes were included with both mailings. Computer printed Cheshire labels were provided by the DNR's Data Processing Office. A commercial mailing service was utilized to attach the name-address labels to the questionnaire and to stuff and seal envelopes.

A computer program was utilized to transfer the data from the questionnaires to a computer file. Data were analyzed and a hard copy of the results obtained. Number of hunters, number of days afield, and mean kill per hunter were calculated by wildlife management unit (Figure 5) and administrative region (Figure 6). As demonstrated in the report for 1993 (Anderson, Campbell, and Benner 1994), hunter activity and wildlife harvest data from license purchasers and from habitat stamp purchasers rarely differ.

Confidence intervals at the 95% level of significance were calculated for the number of hunters, average season bag, and total harvest. Formulas for these calculations were presented in Hubert (1977) and Anderson (1983). Information found in Cochran (1977) and Snedecor and Cochran (1967) were also utilized.

The formulas utilized were:

- a. Number of hunters for a species, a binomial:

$$\pm 2N \sqrt{\frac{pq}{n}}$$

Where N = total hunting license sales
 n = number of licensees in sample
 p = proportion of licensees in sample
 hunting a species
 q = 1 - p

- b. Mean season kill per hunter for a species:

$$\pm \frac{1.96 s}{\sqrt{n_1}}$$

Where s = standard deviation of mean kill per
 hunter
 n₁ = number of licensees in sample
 hunting a species

- c. Total harvest:

$$\pm 2N \times \frac{s}{\sqrt{n}} \times \frac{N-n_1}{N}$$

FINDINGS AND ANALYSIS

1995 Season

The 1995-96 hunting regulations for Illinois game species are presented in Table 1. Except for changes in the rabbit season and quail/pheasant/gray partridge season, season lengths and bag limits were similar to those in 1994-95. In 1995-96, the rabbit season was extended to 22 January, and the quail/pheasant/gray partridge season was extended to 15 January, in the South Zone. In 1994-95, these seasons ended on 8 January in the South Zone. The line that separated the North and South Zones was route US-36 from the Indiana state line west to Springfield, route IL-29 north to Pekin, and route IL-9 west to the Iowa state line.

Total sales of the 1995 series of resident hunting licenses was estimated at 324,062, which included 195,771 regular hunting licenses, 111,874 Sportsman's combination hunting/fishing licenses, and 16,417 senior citizen hunting licenses. This represents a 0.60% decrease in license sale estimates from 1994. The costs of hunting licenses were the same in both years. However, 1995 represented the 2nd year for the senior citizen hunting license. This license was required for hunters ≥ 65 years of age, and it cost \$3.50 plus \$0.50 vendor's fee. If the senior citizen license is disregarded, license sales decreased 1.22% from 1992 to 1993, 1.31% from 1993 to 1994, and 0.53% from 1994 to 1995.

1995 Hunter Harvest

Four name-address cards were inserted in the 1995 hunting license books which contained 50 licenses. A card was positioned in front of the 1st, 3rd, 5th, and 7th license of each book. A total of 3,255 usable name-address cards were received from license vendors or buyers by 30 January 1996. An additional 2,000 names and addresses, obtained by systematically sampling purchasers of the 1995 Illinois Habitat Stamp, increased the mailing list to 5,255. Mailing lists for the 1990-1994 hunter harvest surveys ranged from 4,203 to 5,411 names-addresses.

The initial questionnaire mailing was on 15 February 1996, which was followed by another mailing to non-respondents on 26 March. A total of 154 (2.93%) questionnaires were not delivered by the U.S. Postal Service. From the 5,101 delivered questionnaires, 3,750 were returned for a response rate of 73.5%. The returned questionnaires included 1,384 from hunting license purchasers, 780 from habitat stamp purchasers, and 1,586 from respondents who could not be identified as to whether they were license or stamp purchasers.

The latter (unidentified) group of respondents came into being because the contractor for preparing the mailings mistakenly attached the address label to the front page (instead of the back page) of the questionnaire. Since the questionnaire was made with 2 sheets of 8-1/2 x 11-inch paper (the 1st for instructions and the 2nd for recording hunting data) and respondents were instructed to return only the 2nd sheet, the identity of many (1,586) respondents was lost. Because of this mistake, a special letter of explanation was prepared and included with the 2nd mailing of the questionnaire (Fig. 7). Fortunately, the county of residence for most of the unidentified respondents could be determined with the postal mark on the return envelope. Nevertheless, the mistake had a ripple effect that negatively impacted analyses and interpretation of some of the data.

The 1995 hunter harvest survey included all game species legally hunted in Illinois except turkey, ducks, geese, and coot. The proportion of persons who purchased a 1995 hunting license but did not hunt any survey game was 14.2%, compared with 10.0% to 13.4% in 1990-1994. The proportion of habitat stamp purchasers who did not hunt was 8.1%. The comparable value for the unidentified group was 8.6%.

Based on data for hunting license purchasers, the number of licensed, active, resident hunters in 1995-96 was estimated to be 278,045 \pm 3,694 (95% confidence interval). Conversely, the number of non-hunting license buyers was estimated at 46,016. Some of the non-hunting respondents undoubtedly hunted at fee hunting areas.

Estimates of the number of hunters, total harvest, average daily and seasonal bags, and average and total days afield for the 20 game hunting categories are presented in Table 2. Total squirrel (fox and gray combined) hunters was estimated to be 108,885. Confidence intervals at the 95% level of significance for the estimated number of hunters, mean season kill per hunter, and total harvest are presented in Table 3.

Summaries of estimated hunting effort and success for the various game hunting categories in the 10 wildlife management units are presented in Tables 4-23. Percentage changes in harvest from 1994 to 1995 in the wildlife management units for selected species are presented in Table 24.

Summaries of estimated hunting effort and success among the 5 administrative regions are presented in Tables 25-44. Percentage changes in harvest from 1994 to 1995 in the administrative regions for selected species are presented in Table 45.

The distribution of hunting effort (percent of days afield) and success (percent of harvest) for the 20 game hunting categories are presented in Table 46. Days afield ranged from 1.33 (common snipe) to 23.52 (deer-archery); the arithmetic average for the 20 game hunting categories was 6.81 days. Average season bag ranged from 0.23 (deer-handgun) to 19.34 (dove). The results of all hunting activities for the 20 species from 1985-1995 are shown in Table 47. Percentage changes in statewide harvest estimates for the previous 1-, 5-, and 10-year intervals compared with 1995 are shown in Table 48.

The 1995 hunter harvest survey revealed that among upland game species increases in harvest occurred for pheasant (14%), dove (10%), and gray partridge (1209%). Decreases were noted for rabbit (-5%), quail (-16%), woodcock (-32%), common snipe (-47%), crow (-26%), and groundhog (-15%). Rail harvest did not change.

Survey respondents reported increases in harvests for deer-long gun (7%), deer-handgun (82%), and deer-archery (32%). Fox squirrel (-7%) and gray squirrel (-22%) harvests decreased.

The raccoon harvest was high and increased (6%) from 1994 to 1995. The opossum (18%) harvest also increased, while the red fox (-37%), gray fox (-72%), and coyote (-7%) harvests decreased.

Related Issues

An estimated 89.9% of the resident hunting (including Sportsmen's and senior citizen) license purchasers also purchased an Illinois Habitat Stamp in 1995 (Table 49). Conversely, an estimated 96.0% of the residents who purchased a habitat stamp also purchased a hunting license. A total of 289,428 habitat stamps were sold for the 1995 season, of which an estimated 280,745 (97.0%) went to residents and 8,683 (3.0%) went to non-residents (Zielske and Campbell 1996). In comparison, 270,632 habitat stamps were sold in 1993 (96.8% to residents and 3.2% to non-residents) and 284,409 habitat stamps were sold in 1994 (97.7% to residents and 2.3% to non-residents) (Anderson, Campbell 1994; Anderson, Campbell, and Zielske 1995).

The questionnaire used for the 1995-96 hunter harvest survey contained a series of questions designed to determine the experiences of hunters in obtaining and using the Illinois Digest of Hunting and Trapping Regulations. Statewide, 77% of the hunters successfully obtained a copy of the digest for the 1995-96 season (Table 50). Hunters in Administrative Region 2 were the most likely (87%) to secure

a copy of the digest. However, hunters in the other administrative regions also experienced relatively high (71-81%) successes in obtaining a copy of the digest.

Regardless of region, almost all (93-97%) of the hunters who secured a copy of the digest did so with little or no difficulty (Table 50). Similarly, almost all (90-92%) of the hunters kept and used their copy throughout the hunting season. In addition, almost all (96-99%) of the hunters thought the information in the digest was (somewhat or very) useful. About one-half (52-56%) of the hunters who did not secure a copy of the digest were not aware it was available. Another 21-30% did not attempt to find a copy.

The findings summarized in Table 50 suggest that the DNR's system for distributing the digest to hunters is adequate and that the digest provides information that is needed and used by most hunters.

Participants in the survey submitted 247 separate comments for improving the digest (Table 51). The most frequently mentioned suggestion was to the effect that the digest should contain a pocket-size pull-out card that summarizes the hunting regulations. Other suggestions urged the DNR to list and provide a map for all public hunting areas (8%), make digest more available and include permit applications (7%), make digest simpler and easier to understand (6%), and use larger print for sunrise/sunset tables (6%). The remaining comments (55%) included 58 miscellaneous suggestions regarding the digest.

The questionnaire also contained questions about the gender and age of hunters. For all hunters statewide, 96.7% were male and 3.3% were female (Table 52). Upland wildlife hunters were 98.3% male/1.7% female, forest wildlife hunters were 96.2% male/3.8% female, and furbearer hunters were 97.9% male/2.1% female. Proportionally more females (4.0%) participated in deer-long gun hunting than in the other game hunting categories.

The mean age of all resident hunting license purchasers was 41.2 years in 1995-96 (Table 53). The mean age of license purchasers who hunted was 40.5 years. Almost one-half (46%) of the hunters were between 31 and 50 years of age. Seniors (≥ 65 years) represented 5.1% of the hunter population. In 1993-94, the last year that seniors were exempt from having a hunting license, the mean age of resident hunting license purchasers was 37.4 years (Anderson, Campbell, and Benner 1994).

Age characteristics of Illinois Habitat Stamp purchasers mirrored those of license purchasers, except relatively few (1.5%) of the former were juniors (≤ 15 years). The habitat

stamp was not required of hunters ≤ 15 years of age.

The sales of resident hunting licenses in Illinois are listed for the years 1938 through 1995 in Appendix A (Table A1). The data include Sportsmen's (combination hunting/fishing) licenses, which began in 1979, and senior citizen (≥ 65 years) licenses, which began in 1994.

RECOMMENDATIONS

Mail surveys designed to monitor hunting effort and success in Illinois, and to provide indicators of annual trends in hunter interest for game animals, should be continued. Such surveys are essential to generate supply-demand data for the various species addressed in the wildlife portion of the Comprehensive Fish and Wildlife Plan for Illinois.

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DATA AND REPORTS

Original data included in this report are on file in the Investigations and Surveys Program offices, NRSA, 607 E. Peabody, Champaign, Illinois 61820.

PREPARED BY

William L. Anderson, Linda K. Campbell, and Anne E. Zielske
Investigations and Surveys Program
Division of Wildlife Resources

Appreciation is extended to David M. Witzany, a consultant at the Illinois Natural History Survey, for computer programming and assisting with other aspects of data analysis.

APPROVED BY

Jeffrey M. Ver Steeg, Chief
Division of Wildlife Resources

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^a WMU = Wildlife Management Unit

^b AR = Administrative Region

ILLINOIS DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES
HUNTER HARVEST SURVEY --- 1995-96 SEASON

INSTRUCTIONS:

Please fill out the attached questionnaire for last hunting season (February 1995 - January 1996).

- Only include the game taken and days hunted IN ILLINOIS.
- If you did not hunt any of the game species listed, answer the first three questions and return the questionnaire in the postage-paid envelope provided. Your response is just as important as someone who may have hunted every day.
- List only your retrieved kill, not those hit and assumed dead, but not found.
- Do NOT list any upland game killed or days hunted on licensed shooting preserves or controlled (put-and-take) hunting areas.
- Fill in the number of days on which you hunted each kind of game listed, including unsuccessful days. If you hunted more than one kind of game on a particular day, count it as one day for EACH kind of game you hunted.
- If you can not remember exact figures, please give your best estimates.
- Fill in only the blanks that apply to you. Leave other blanks unmarked.

Your comments are welcome, but please write them on separate paper to receive prompt attention.

THANK YOU FOR YOUR COOPERATION!

Postage-Paid, Return Envelope is Provided

The Department of Natural Resources is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the Illinois Revised Statutes, The Wildlife Code, Chapter 61. Disclosure of this information is voluntary.

Figure 1. Instructions for filling out and returning the questionnaire used for the 1995-96 Illinois Hunter Harvest Survey.

<---- Detach at perforation, place into enclosed postage-paid envelope, and mail.

1995-96 ILLINOIS HUNTER HARVEST SURVEY

HOW OLD WERE YOU ON YOUR LAST BIRTHDAY? _____ years

ARE YOU (circle one)? Male Female

DID YOU HUNT ANY OF THE KINDS OF GAME LISTED BELOW LAST SEASON (Feb. 1995 - Jan. 1996)?

YES _____ NO _____

Fill in all 3 blanks for each kind of game you hunted. Leave other blanks unmarked.

Game Species	Number killed during season	County where you hunted most for each kind of game.	Number of days hunted
=====			

UPLAND WILDLIFE

Rabbits.....	_____	_____	_____
Quail.....	_____	_____	_____
Pheasants.....	_____	_____	_____
Doves.....	_____	_____	_____
Gray (Hungarian) Partridge..	_____	_____	_____
Woodcock.....	_____	_____	_____
Snipe.....	_____	_____	_____
Rails.....	_____	_____	_____
Crows.....	_____	_____	_____
Groundhog (Woodchuck).....	_____	_____	_____

FOREST WILDLIFE

Fox Squirrels.....	_____	_____	_____
Gray Squirrels.....	_____	_____	_____
Deer-Long gun ^a	_____	_____	_____
Deer-Handgun.....	_____	_____	_____
Deer-Archery.....	_____	_____	_____

FURBEARERS

(Hunted only - not trapped)

Raccoons.....	_____	_____	_____
Red Fox.....	_____	_____	_____
Gray Fox.....	_____	_____	_____
Coyotes.....	_____	_____	_____
Opossums.....	_____	_____	_____

^aShotgun with slug or muzzleloading rifle.

(continued on following page)

Figure 2. The questionnaire used for the 1995-96 Illinois Hunter Harvest Survey.

1. Did you purchase a 1995 Illinois resident hunting, Sportsman's combination hunting/fishing, or senior citizens hunting license? (circle number for appropriate answer)

Yes.....1 No.....2

Yes.....1 No.....2

Yes.....1 No.....2

Very easy..1 Slightly difficult..2 Very difficult..3 Don't recall..4

Yes.....1 No.....2

Very useful..1 Somewhat useful..2 Not useful..3 Undecided..4

*Did not know Digest was available to the public.....1

*Looked for Digest but could not find a copy.....2

```
*Did not look for Digest or did not want/need a copy.....3
```

*Other reason (write in) _____ ...4

6. Do you have suggestions for improving the Digest? (write in) _____

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ILLINOIS
DEPARTMENT OF
NATURAL RESOURCES

524 South Second Street, Springfield 62701-1787

Jim Edgar, Governor ● Brent Manning, Director

Dear Fellow Sportsman:

You are one of a select group of Illinois hunters asked to provide information about your hunting activities during the past hunting season, February 1995 - January 1996.

The information you and other selected hunters supply to our biologists is vital for proper wildlife management within the state for: safeguarding wildlife populations, maximizing hunting opportunities, and maintaining attractive levels of hunter success. The information allows us to better understand the welfare of various game populations and the hunting recreation they provide, including distribution of total harvests, numbers of hunters, and hunting success.

Only a limited number of hunters can be contacted, thus **your reply is VERY important, even if you did not hunt or were not successful**. Please take a few minutes to fill out the parts of the enclosed questionnaire that apply to you. If you do not remember exact figures, please give your best estimates. Return the completed questionnaire in the envelope provided - postage is prepaid.

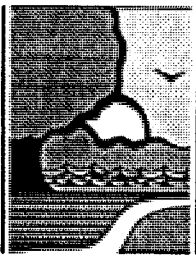
Thank you for your time and assistance.

Sincerely,

Jeffrey M. Ver Steeg
Chief, Wildlife Resources

JMV:WLA
Enclosure
H1

Figure 3. The letter that accompanied the initial mailing of the questionnaire used for the 1995-96 Illinois Hunter Harvest Survey.



ILLINOIS
DEPARTMENT OF
NATURAL RESOURCES

14

524 South Second Street, Springfield 62701-1787

Jim Edgar, Governor ● Brent Manning, Director

Dear Fellow Sportsman:

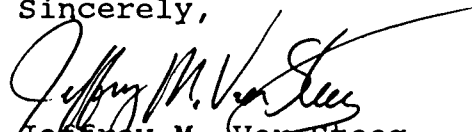
Recently, we mailed you a "Hunting Questionnaire" and requested that you fill out and return the completed form. We have not received your form at this time. Perhaps you have misplaced the questionnaire or have not found time to complete it and return it to us.

We are providing another questionnaire which we hope you will complete and return as soon as possible. If you have already returned the first questionnaire, please throw this one away. The information supplied by you and other hunters being sampled will be of great value to the Department of Natural Resources in better directing the management of Illinois' wildlife resources.

Only a limited number of hunters have been contacted to provide information, thus **your reply is VERY important, even if you did not hunt or were not successful**. Please take just a minute to fill out the parts of the enclosed questionnaire that apply to you. Return the completed questionnaire in the **envelope provided - postage is prepaid**. Your prompt attention will be greatly appreciated.

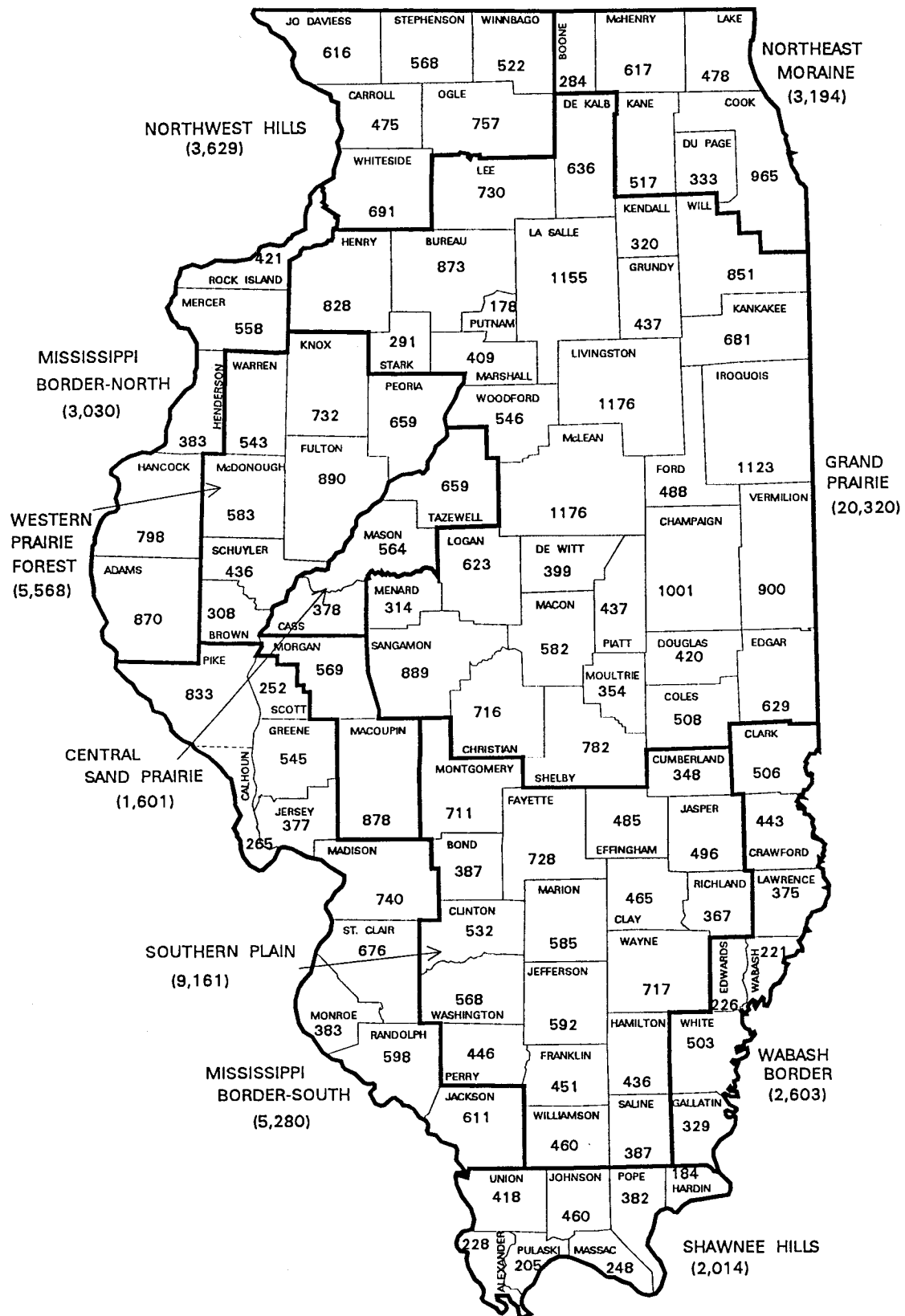
Thank you for your time and assistance.

Sincerely,


Jeffrey M. Ver Steeg
Chief, Wildlife Resources

JMV:WLA
Enclosure
H2

Figure 4. The letter that accompanied the follow-up mailing (to non-respondents) of the questionnaire used for the 1995-96 Illinois Hunter Harvest Survey.



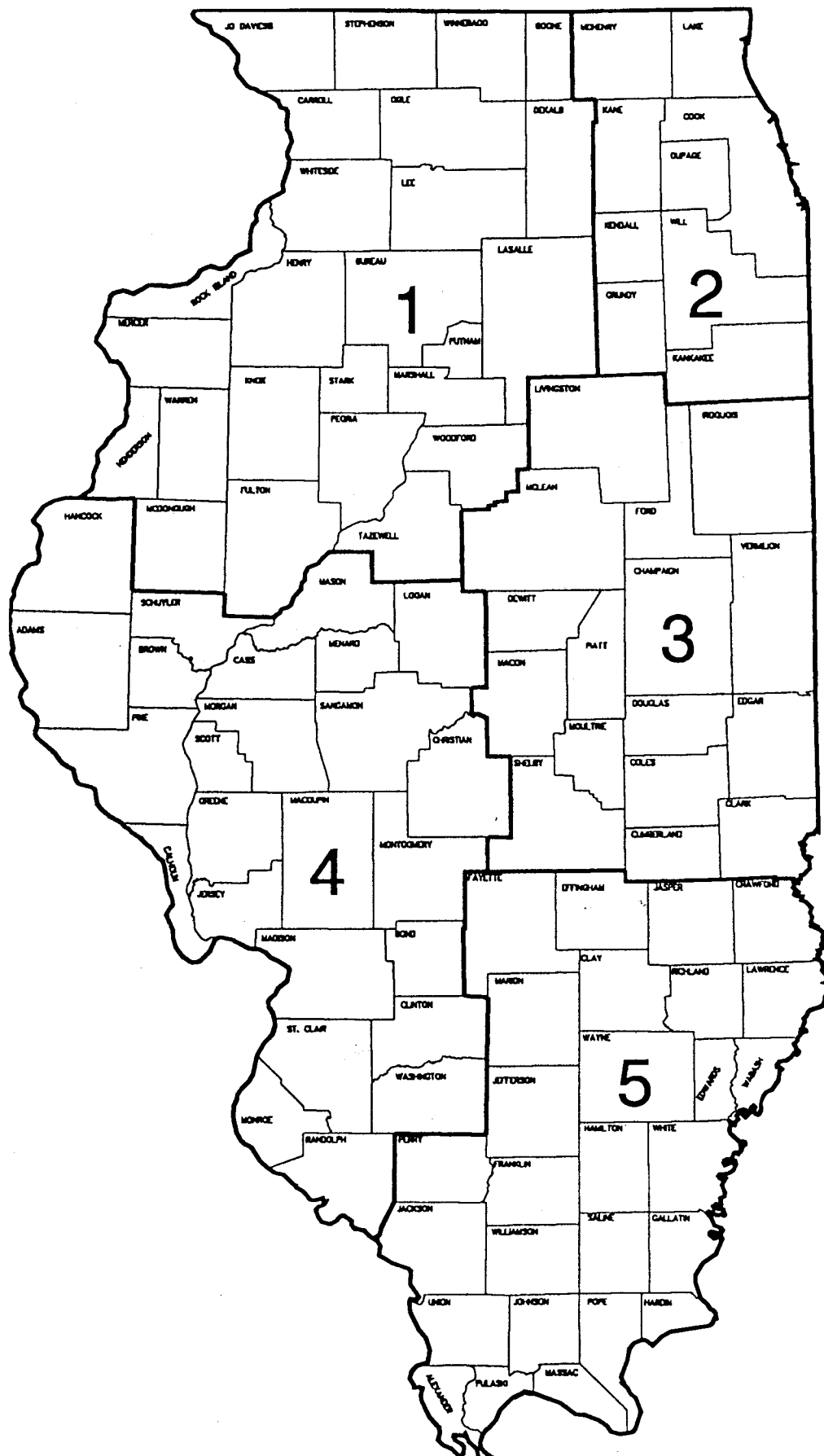
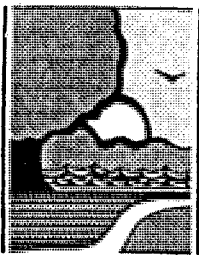


Figure 6. Administrative regions in Illinois.



ILLINOIS
DEPARTMENT OF
NATURAL RESOURCES

524 South Second Street, Springfield 62701-1787

Jim Edgar, Governor ● Brent Manning, Director

Dear Fellow Sportsman:

Due to circumstances beyond our control, it has become necessary to contact you again.

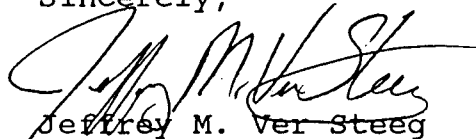
The Hunter Harvest Survey questionnaire that we sent you last month was processed with the address label incorrectly attached to the first page. The label should have been attached to the last page. Because of this mistake, we have no way of knowing whether you have filled-out and returned the questionnaire.

Enclosed is another copy of the questionnaire and a pre-addressed, postage-paid return envelope. If you filled-out and returned the first questionnaire, please disregard this letter and accept our apologies.

If you have not filled out and returned the questionnaire, we would greatly appreciate it if you would do so at your earliest convenience.

Thank you for your patience and cooperation.

Sincerely,


Jeffrey M. Ver Steeg
Chief, Wildlife Resources

JMV:WLA
Enclosure
H3

Figure 7. The special letter that was included with the follow-up mailing of the questionnaire used for the 1995-96 Illinois Hunter Harvest Survey. This letter explained that the address label was incorrectly attached to the questionnaire used for the initial mailing and asked participants for their cooperation in coping with this problem.

Table 1: Illinois hunting seasons for resident and migratory wildlife species excluding turkey and waterfowl, 1995-96.

SPECIES	ZONE	DURATION	BAG LIMIT DAILY	BAG LIMIT POSSESSION
<u>Upland Wildlife</u>				
Rabbit	North	Nov. 4-Jan. 8	4	10
	South	Nov. 4-Jan. 22	4	10
Quail	North	Nov. 4-Jan. 8	8	20
	South	Nov. 4-Jan. 15	8	20
Pheasant	North	Nov. 4-Jan. 8	2	6
	South	Nov. 4-Jan. 15	2	6
Gray Partridge	North	Nov. 4-Jan. 8	2	6
	South	Nov. 4-Jan. 15	2	6
Woodchuck	Statewide	June 1-March 31*	None	None
<u>Migratory Wildlife</u>				
Dove	Statewide	Sept. 1-Oct. 30	15	30
Woodcock	Statewide	Oct. 1-Dec. 4	5	10
Snipe	Statewide	Sept. 9-Dec. 24	8	16
Rail	Statewide	Sept. 9-Nov. 17	25	25
Crow	Statewide	July 1-Aug. 15 & Dec. 15 - March 1	None	None
<u>Forest Wildlife</u>				
Squirrels	Statewide	Aug. 1-Dec. 31*	5	10
Deer (Long gun)	Statewide	Nov. 17-19 & Nov. 30- Dec. 3	1 per permit	
Deer (M Only)	Statewide	Dec. 8-10 & Nov. 30- Dec. 3	1 per permit	
Deer (H Only)	Selected Counties	Jan. 12-14	1 per permit	
Deer (A)	Statewide	Oct. 1-Jan. 11*	1 per permit	
<u>Furbearers</u>				
Raccoon	North	Nov. 5-Jan. 20*	None	None
	South	Nov. 15-Jan. 30*	None	None
Opossum	North	Nov. 5-Jan. 20*	None	None
	South	Nov. 15-Jan. 30*	None	None
Fox	Statewide	Nov. 15-Jan. 31*	None	None
Covote	Statewide	Year-Round*	None	None

* Closed during deer firearm (long gun) season except in Kane, DuPage, Cook, & Lake Counties. However, hunters with an unused firearms deer permit may harvest coyotes during the firearms deer seasons.

Table 2. Summary of Statewide Data from the 1995 Hunter Harvest Survey (n=3,750).

Species	Total Estimated Hunters	Percent of License Sales	Average Bag Daily	Season	Total Estimated Harvest	Days Afield Average	Total
Rabbit	128,673	39.71%	1.10	6.52	838,322	5.94	763,831
Quail	72,244	22.29%	1.43	9.78	706,278	6.84	494,040
Pheasant	85,811	26.48%	0.62	3.91	335,208	6.28	539,149
Dove	73,626	22.72%	3.95	19.34	1,424,136	4.90	360,441
Gray Partridge	1,469	0.45%	0.61	3.24	4,753	5.29	7,777
Woodcock	3,111	0.96%	0.31	1.64	5,099	5.31	16,505
Common Snipe	518	0.16%	1.88	2.50	1,296	1.33	691
Rail	86	0.03%	2.00	6.00	518	3.00	259
Crow	9,938	3.07%	1.84	6.69	66,454	3.63	36,035
Groundhog	7,000	2.16%	0.64	3.91	27,394	6.12	42,862
Fox Squirrel	97,909	30.21%	1.36	7.84	767,201	5.75	562,655
Gray Squirrel	67,923	20.96%	1.38	7.72	524,372	5.60	380,662
Deer-Long gun*	174,820	53.95%	0.19	0.82	143,537	4.32	754,498
Deer-Handgun	15,209	4.69%	0.09	0.23	3,457	2.65	40,356
Deer-Archery	89,873	27.73%	0.03	0.59	52,973	23.52	2,113,563
Raccoon	19,789	6.11%	1.32	17.18	340,047	13.00	257,260
Red Fox	4,062	1.25%	0.18	1.40	5,703	7.77	31,542
Gray Fox	1,469	0.45%	0.06	0.41	605	6.35	9,333
Coyote	32,233	9.95%	0.24	2.66	85,898	11.08	357,244
Opossum	5,099	1.57%	0.47	3.53	17,975	7.58	38,628

Table 3. Estimated Number (\pm 95% confidence interval) of Resident Licensed Hunters and Harvest in Illinois, 1995 (n=3,750).

Species	Total Estimated Hunters	Estimated Average Season Bag	Total Estimated Harvest
Rabbit	128,673 \pm 5,179	6.52 \pm 0.30	838,322 \pm 62,052
Quail	72,244 \pm 4,405	9.78 \pm 0.72	706,278 \pm 112,849
Pheasant	85,811 \pm 4,670	3.91 \pm 0.23	335,208 \pm 39,357
Dove	73,626 \pm 4,435	19.34 \pm 1.10	1,424,136 \pm 172,168
Gray Partridge	1,469 \pm 711	3.24 \pm 2.23	4,753 \pm 49,741
Woodcock	3,111 \pm 1,032	1.64 \pm 0.38	5,099 \pm 12,170
Common Snipe	518 \pm 423	2.50 \pm 2.00	1,296 \pm 26,459
Rail	86 \pm 173	6.00 \pm 0.00	518 \pm 0
Crow	9,938 \pm 1,825	6.69 \pm 1.39	66,454 \pm 80,514
Groundhog	7,000 \pm 1,539	3.91 \pm 0.69	27,394 \pm 33,648
Fox Squirrel	97,909 \pm 4,860	7.84 \pm 0.37	767,201 \pm 67,289
Gray Squirrel	67,923 \pm 4,308	7.72 \pm 0.46	524,372 \pm 69,578
Deer-Long gun*	174,820 \pm 5,275	0.82 \pm 0.03	143,537 \pm 6,521
Deer-Handgun	15,209 \pm 2,238	0.23 \pm 0.05	3,457 \pm 3,702
Deer-Archery	89,873 \pm 4,738	0.59 \pm 0.05	52,973 \pm 7,912
Raccoon	19,789 \pm 2,534	17.18 \pm 2.22	340,047 \pm 181,596
Red Fox	4,062 \pm 1,177	1.40 \pm 0.43	5,703 \pm 15,979
Gray Fox	1,469 \pm 711	0.41 \pm 0.30	605 \pm 6,667
Coyote	32,233 \pm 3,168	2.66 \pm 0.30	85,898 \pm 31,081
Opossum	5,099 \pm 1,317	2.53 \pm 0.75	17,975 \pm 31,217

Table 4: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Rabbit (1489)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily	Average Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	8,383	6.51	0.92	4.93	41,309	45,111
Northeast Moraine	3,025	2.35	0.48	2.60	7,864	16,333
Mississippi Border-North	7,605	5.91	1.11	5.32	40,445	36,469
Mississippi Border-South	19,877	15.45	1.34	7.06	140,346	104,741
Western Prairie/Forest	11,235	8.73	1.16	6.25	70,259	60,580
Central Sand Prairie	2,765	2.15	0.93	6.84	18,926	20,395
Grand Prairie	40,358	31.36	0.88	5.41	218,297	246,729
Southern Plain	25,753	20.01	1.30	9.23	237,741	182,260
Wabash Border	7,259	5.64	1.25	6.31	45,803	36,556
Shawnee Hills	2,420	1.88	1.18	7.18	17,370	14,691
Unknown	0	0.00	0.00	0.00	0	0

Table 5: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Quail (836)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily	Average Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	1,642	2.27	0.38	2.00	3,284	8,556
Northeast Moraine	346	0.48	0.25	2.00	691	2,765
Mississippi Border-North	5,185	7.18	1.69	9.00	46,667	27,654
Mississippi Border-South	11,840	16.39	1.69	11.77	139,309	82,272
Western Prairie/Forest	9,420	13.04	1.21	7.75	73,025	60,494
Central Sand Prairie	2,333	3.23	1.04	9.67	22,556	21,691
Grand Prairie	14,432	19.98	0.69	4.92	70,951	102,926
Southern Plain	19,704	27.27	1.83	13.07	257,618	140,692
Wabash Border	5,358	7.42	1.98	11.60	62,136	31,457
Shawnee Hills	1,901	2.63	1.94	15.77	29,988	15,469
Unknown	86	0.12	1.00	1.00	86	86

Table 6: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Pheasant (993)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	8,988	5.24	0.44	2.80	25,148	56,605
Northeast Moraine	7,000	4.08	0.88	4.96	34,741	39,667
Mississippi Border-North	4,407	2.57	0.63	4.29	18,926	30,074
Mississippi Border-South	173	0.10	0.05	0.50	86	1,815
Western Prairie/Forest	5,444	3.17	0.65	3.86	21,000	32,321
Central Sand Prairie	3,975	2.32	0.48	3.67	14,605	30,161
Grand Prairie	52,284	30.46	0.64	4.07	212,680	331,334
Southern Plain	3,284	1.91	0.47	2.39	7,864	16,679
Wabash Border	259	0.15	0.33	0.67	173	519
Shawnee Hills	0	0.00	0.00	0.00	0	0
Unknown	0	0.00	0.00	0.00	0	0

Table 7: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Dove (852)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	1,901	2.58	3.36	14.50	27,568	8,210
Northeast Moraine	3,025	4.11	3.87	13.37	40,445	10,457
Mississippi Border-North	3,457	4.69	2.18	9.43	32,580	14,951
Mississippi Border-South	12,617	17.14	4.19	25.30	319,235	76,222
Western Prairie/Forest	5,790	7.86	4.07	18.36	106,297	26,099
Central Sand Prairie	2,852	3.87	3.24	16.61	47,358	14,605
Grand Prairie	22,383	30.40	3.73	16.03	358,816	96,185
Southern Plain	14,691	19.95	4.16	20.92	307,310	73,803
Wabash Border	4,753	6.46	5.64	32.18	152,963	27,136
Shawnee Hills	2,074	2.82	2.55	15.08	31,284	12,272
Unknown	86	0.12	0.67	4.00	346	519

Table 8: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Gray Partridge (17)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	259	8.82	0.29	0.67	173	605
Northeast Moraine	86	2.94	2.00	2.00	173	86
Mississippi Border-North	0	0.00	0.00	0.00	0	0
Mississippi Border-South	0	0.00	0.00	0.00	0	0
Western Prairie/Forest	86	2.94	0.00	0.00	0	346
Central Sand Prairie	0	0.00	0.00	0.00	0	0
Grand Prairie	1,037	35.29	0.65	4.25	4,407	6,741
Southern Plain	0	0.00	0.00	0.00	0	0
Wabash Border	0	0.00	0.00	0.00	0	0
Shawnee Hills	0	0.00	0.00	0.00	0	0
Unknown	0	0.00	0.00	0.00	0	0

Table 9: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Woodcock (36)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	432	13.89	0.31	0.80	346	1,123
Northeast Moraine	86	2.78	3.00	3.00	259	86
Mississippi Border-North	86	2.78	2.00	2.00	173	86
Mississippi Border-South	519	16.67	0.83	1.67	864	1,037
Western Prairie/Forest	259	8.33	0.03	0.33	86	3,111
Central Sand Prairie	173	5.56	0.38	3.00	519	1,383
Grand Prairie	1,037	33.33	0.24	1.58	1,642	6,741
Southern Plain	346	11.11	0.56	2.50	864	1,556
Wabash Border	0	0.00	0.00	0.00	0	0
Shawnee Hills	173	5.56	0.25	2.00	346	1,383
Unknown	0	0.00	0.00	0.00	0	0

Table 10: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Snipe (6)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily Bag	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	86	16.67	1.00	1.00	86	86
Northeast Moraine	259	50.00	0.50	0.67	173	346
Mississippi Border-North	0	0.00	0.00	0.00	0	0
Mississippi Border-South	0	0.00	0.00	0.00	0	0
Western Prairie/Forest	0	0.00	0.00	0.00	0	0
Central Sand Prairie	0	0.00	0.00	0.00	0	0
Grand Prairie	0	0.00	0.00	0.00	0	0
Southern Plain	173	33.33	4.00	6.00	1,037	259
Wabash Border	0	0.00	0.00	0.00	0	0
Shawnee Hills	0	0.00	0.00	0.00	0	0
Unknown	0	0.00	0.00	0.00	0	0

Table 11: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Rail (1)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	0	0.00	0.00	0.00	0	0
Northeast Moraine	0	0.00	0.00	0.00	0	0
Mississippi Border-North	0	0.00	0.00	0.00	0	0
Mississippi Border-South	86	100.00	2.00	6.00	519	259
Western Prairie/Forest	0	0.00	0.00	0.00	0	0
Central Sand Prairie	0	0.00	0.00	0.00	0	0
Grand Prairie	0	0.00	0.00	0.00	0	0
Southern Plain	0	0.00	0.00	0.00	0	0
Wabash Border	0	0.00	0.00	0.00	0	0
Shawnee Hills	0	0.00	0.00	0.00	0	0
Unknown	0	0.00	0.00	0.00	0	0

Table 12: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Crow (115)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	951	9.57	1.75	7.00	6,654	3,802
Northeast Moraine	691	6.96	1.36	2.38	1,642	1,210
Mississippi Border-North	432	4.35	2.65	12.20	5,272	1,988
Mississippi Border-South	1,210	12.17	2.60	7.43	8,988	3,457
Western Prairie/Forest	691	6.96	0.68	3.25	2,247	3,284
Central Sand Prairie	432	4.35	2.11	3.80	1,642	778
Grand Prairie	3,543	35.65	1.13	4.51	15,988	14,173
Southern Plain	864	8.70	1.81	3.80	3,284	1,815
Wabash Border	605	6.09	2.42	9.00	5,444	2,247
Shawnee Hills	519	5.22	4.66	29.50	15,296	3,284
Unknown	0	0.00	0.00	0.00	0	0

Table 13: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Groundhog (81)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	346	4.94	0.54	4.75	1,642	3,025
Northeast Moraine	605	8.64	0.58	3.57	2,161	3,716
Mississippi Border-North	173	2.47	0.34	5.50	951	2,765
Mississippi Border-South	1,210	17.28	0.58	3.50	4,235	7,259
Western Prairie/Forest	346	4.94	0.26	2.25	778	2,938
Central Sand Prairie	173	2.47	2.00	7.00	1,210	605
Grand Prairie	2,074	29.63	0.95	5.21	10,803	11,321
Southern Plain	1,556	22.22	0.41	2.39	3,716	9,074
Wabash Border	259	3.70	1.00	7.00	1,815	1,815
Shawnee Hills	259	3.70	0.25	0.33	86	346
Unknown	0	0.00	0.00	0.00	0	0

Table 14: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Fox Squirrel (1133)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	5,185	5.30	1.22	6.32	32,753	26,877
Northeast Moraine	864	0.88	0.80	5.10	4,407	5,531
Mississippi Border-North	6,395	6.53	1.06	6.39	40,877	38,457
Mississippi Border-South	18,494	18.89	1.45	10.17	188,050	129,889
Western Prairie/Forest	11,494	11.74	1.36	8.04	92,383	67,926
Central Sand Prairie	3,111	3.18	1.86	11.56	35,951	19,358
Grand Prairie	23,333	23.83	1.22	7.36	171,630	140,346
Southern Plain	17,716	18.09	1.56	7.19	127,297	81,667
Wabash Border	6,568	6.71	1.42	7.11	46,667	32,840
Shawnee Hills	4,667	4.77	1.37	5.80	27,049	19,704
Unknown	86	0.09	2.00	2.00	173	86

Table 15: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Gray Squirrel (786)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	3,111	4.58	0.80	3.92	12,185	15,210
Northeast Moraine	1,296	1.91	0.74	3.87	5,012	6,741
Mississippi Border-North	3,370	4.96	0.67	4.33	14,605	21,951
Mississippi Border-South	16,247	23.92	1.63	10.54	171,284	104,914
Western Prairie/Forest	5,877	8.65	1.07	5.96	35,000	32,580
Central Sand Prairie	1,037	1.53	1.26	8.17	8,469	6,741
Grand Prairie	8,901	13.10	0.85	3.83	34,049	40,272
Southern Plain	15,815	23.28	1.55	8.03	127,037	81,840
Wabash Border	6,049	8.91	1.58	9.21	55,741	35,346
Shawnee Hills	6,222	9.16	1.74	9.81	61,013	35,087
Unknown	0	0.00	0.00	0.00	0	0

Table 16: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Deer-Long gun (2023)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	12,877	7.37	0.17	0.74	9,506	56,087
Northeast Moraine	2,074	1.19	0.11	0.42	864	8,037
Mississippi Border-North	11,148	6.38	0.19	0.84	9,420	50,729
Mississippi Border-South	26,099	14.93	0.19	0.86	22,556	116,062
Western Prairie/Forest	21,086	12.06	0.20	0.94	19,877	99,469
Central Sand Prairie	3,457	1.98	0.22	1.00	3,457	16,074
Grand Prairie	35,000	20.02	0.19	0.78	27,222	143,025
Southern Plain	30,938	17.70	0.19	0.84	25,840	133,605
Wabash Border	9,938	5.68	0.19	0.86	8,556	44,074
Shawnee Hills	16,765	9.59	0.19	0.70	11,753	62,914
Unknown	5,444	3.11	0.18	0.83	4,494	24,457

Table 17: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Deer-Handgun (176)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	2,333	15.34	0.03	0.07	173	5,704
Northeast Moraine	0	0.00	0.00	0.00	0	0
Mississippi Border-North	259	1.70	0.00	0.00	0	691
Mississippi Border-South	2,852	18.75	0.07	0.24	691	9,679
Western Prairie/Forest	1,988	13.07	0.09	0.22	432	4,926
Central Sand Prairie	0	0.00	0.00	0.00	0	0
Grand Prairie	951	6.25	0.10	0.18	173	1,815
Southern Plain	2,593	17.05	0.08	0.23	605	7,173
Wabash Border	1,815	11.93	0.18	0.43	778	4,321
Shawnee Hills	1,988	13.07	0.12	0.30	605	4,926
Unknown	432	2.84	0.00	0.00	0	1,123

Table 18: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Deer-Archery (1040)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	5,099	5.67	0.02	0.51	2,593	120,383
Northeast Moraine	6,914	7.69	0.02	0.49	3,370	175,951
Mississippi Border-North	4,926	5.48	0.03	0.63	3,111	93,939
Mississippi Border-South	11,321	12.60	0.03	0.60	6,741	253,470
Western Prairie/Forest	9,852	10.96	0.03	0.65	6,395	243,704
Central Sand Prairie	2,247	2.50	0.02	0.58	1,296	60,062
Grand Prairie	24,543	27.31	0.02	0.52	12,704	570,977
Southern Plain	12,790	14.23	0.03	0.74	9,506	326,063
Wabash Border	4,321	4.81	0.03	0.82	3,543	104,136
Shawnee Hills	4,407	4.90	0.03	0.67	2,938	103,963
Unknown	3,457	3.85	0.01	0.23	778	61,013

Table 19: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Raccoon (229)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	1,988	10.04	1.78	32.48	64,556	36,296
Northeast Moraine	432	2.18	0.57	4.80	2,074	3,630
Mississippi Border-North	1,728	8.73	1.17	6.50	11,235	9,593
Mississippi Border-South	3,025	15.28	2.54	18.17	54,963	21,605
Western Prairie/Forest	2,420	12.23	1.47	19.75	47,790	32,494
Central Sand Prairie	432	2.18	1.13	6.80	2,938	2,593
Grand Prairie	4,580	23.14	1.01	14.11	64,642	63,778
Southern Plain	3,111	15.72	1.02	18.89	58,766	57,729
Wabash Border	1,383	6.99	1.27	17.69	24,457	19,185
Shawnee Hills	691	3.49	0.83	12.50	8,642	10,370
Unknown	0	0.00	0.00	0.00	0	0

Table 20: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Red Fox (47)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	86	2.13	0.20	2.00	173	864
Northeast Moraine	259	6.38	0.17	0.33	86	519
Mississippi Border-North	173	4.26	0.13	0.50	86	691
Mississippi Border-South	864	21.28	0.34	2.30	1,988	5,790
Western Prairie/Forest	605	14.89	0.09	0.43	259	2,938
Central Sand Prairie	0	0.00	0.00	0.00	0	0
Grand Prairie	1,469	36.17	0.12	1.18	1,728	14,519
Southern Plain	519	12.77	0.21	2.17	1,123	5,358
Wabash Border	86	2.13	0.30	3.00	259	864
Shawnee Hills	0	0.00	0.00	0.00	0	0
Unknown	0	0.00	0.00	0.00	0	0

Table 21: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Gray Fox (17)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	0	0.00	0.00	0.00	0	0
Northeast Moraine	173	11.76	0.00	0.00	0	346
Mississippi Border-North	86	5.88	0.00	0.00	0	519
Mississippi Border-South	346	23.53	0.06	0.50	173	2,679
Western Prairie/Forest	173	11.76	0.00	0.00	0	951
Central Sand Prairie	86	5.88	0.40	2.00	173	432
Grand Prairie	346	23.53	0.00	0.00	0	1,556
Southern Plain	259	17.65	0.09	1.00	259	2,852
Wabash Border	0	0.00	0.00	0.00	0	0
Shawnee Hills	0	0.00	0.00	0.00	0	0
Unknown	0	0.00	0.00	0.00	0	0

Table 22: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Coyote (373)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	2,593	8.04	0.09	1.60	4,148	47,445
Northeast Moraine	951	2.95	0.03	0.27	259	9,679
Mississippi Border-North	2,161	6.70	0.35	4.68	10,111	29,037
Mississippi Border-South	5,444	16.89	0.28	3.48	18,926	66,457
Western Prairie/Forest	4,926	15.28	0.26	2.49	12,272	47,099
Central Sand Prairie	519	1.61	0.30	5.17	2,679	9,074
Grand Prairie	9,333	28.95	0.18	1.48	13,827	76,655
Southern Plain	3,889	12.06	0.34	4.51	17,543	51,852
Wabash Border	1,556	4.83	0.31	2.83	4,407	14,173
Shawnee Hills	864	2.68	0.30	2.00	1,728	5,790
Unknown	0	0.00	0.00	0.00	0	0

Table 23: Summary of 1995 Hunting Effort and Success in Wildlife Management Units in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Opossum (59)

Wildlife Management Units	Estimated Number of Hunters	Percent of Hunting Pressure	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Northwest Hills	778	15.25	0.35	4.33	3,370	9,765
Northeast Moraine	346	6.78	0.36	2.00	691	1,901
Mississippi Border-North	346	6.78	1.50	2.25	778	519
Mississippi Border-South	1,383	27.12	0.84	5.75	7,951	9,420
Western Prairie/Forest	259	5.08	0.37	4.33	1,123	3,025
Central Sand Prairie	86	1.69	0.08	5.00	432	5,358
Grand Prairie	1,210	23.73	0.35	1.36	1,642	4,753
Southern Plain	519	10.17	1.36	3.17	1,642	1,210
Wabash Border	86	1.69	0.10	3.00	259	2,593
Shawnee Hills	86	1.69	1.00	1.00	86	86
Unknown	0	0.00	0.00	0.00	0	0

Table 24. Percent change in harvests from 1994 to 1995 in Wildlife Management Units for selected species.

Wildlife Management Unit	Rabbit	Quail	Pheasant	Fox Squirrel	Gray Squirrel	Dove	Raccoon	Red Fox	Gray Fox	Coyote
Northwest Hills	-44	-14	-23	-12	-42	35	71	-92	--	-69
Northeast Moraine	-36	-93	39	103	-28	6	20	--	--	-64
Mississippi Border-North	-14	-4	58	-29	-58	-29	-45	-52	-100	41
Mississippi Border-South	7	15	--	9	-5	31	-1	144	90	25
Western Prairie Forest	-22	-34	10	-12	13	-5	67	-80	--	31
Central Sand Prairie	-19	-31	-4	27	56	-22	-19	--	--	127
Grand Prairie	4	22	21	-2	-37	19	-17	-46	-29	-42
Southern Plain	12	-16	-41	-13	-37	-12	-5	-12	-100	35
Wabash Border	-10	-34	--	-28	10	112	34	43	-100	-23
Shawnee Hills	-51	-50	--	-21	-32	-35	-45	--	--	-40

Table 25: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Rabbit (1489)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	34,741	27.00	0.92	5.27	182,951	199,025
Region 2	7,951	6.18	0.68	3.08	24,457	35,778
Region 3	21,173	16.45	0.99	5.81	123,062	123,840
Region 4	39,494	30.69	1.21	6.89	272,137	225,211
Region 5	25,321	19.68	1.31	9.31	235,754	180,013
Unknown	0	0.00	0.00	0.00	0	0

Table 26: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Quail (836)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	15,815	21.89	0.70	4.38	69,309	98,951
Region 2	1,642	2.27	0.57	3.16	5,185	9,161
Region 3	6,568	9.09	0.77	4.95	32,494	42,432
Region 4	28,778	39.83	1.63	11.11	319,840	196,692
Region 5	19,358	26.79	1.90	14.43	279,396	146,741
Unknown	86	0.12	1.00	1.00	86	86

Table 27: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Pheasant (993)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	33,877	19.74	0.61	4.05	137,149	226,248
Region 2	14,778	8.61	0.75	4.01	59,198	78,901
Region 3	25,926	15.11	0.64	4.02	104,223	163,247
Region 4	10,198	5.94	0.51	3.28	33,445	65,593
Region 5	1,037	0.60	0.23	1.17	1,210	5,185
Unknown	0	0.00	0.00	0.00	0	0

Table 28: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Dove (852)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	13,395	18.19	2.71	12.76	170,939	63,087
Region 2	7,086	9.62	3.77	15.17	107,506	28,519
Region 3	11,407	15.49	4.70	21.56	245,951	52,284
Region 4	25,926	35.21	4.10	20.70	536,582	130,753
Region 5	15,728	21.36	4.25	23.07	362,878	85,297
Unknown	86	0.12	0.67	4.00	346	519

Table 29: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Gray Partridge (17)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	1,037	35.29	0.59	3.83	3,975	6,741
Region 2	432	14.71	0.75	1.80	778	1,037
Region 3	0	0.00	0.00	0.00	0	0
Region 4	0	0.00	0.00	0.00	0	0
Region 5	0	0.00	0.00	0.00	0	0
Unknown	0	0.00	0.00	0.00	0	0

Table 30: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Woodcock (36)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	1,123	36.11	0.39	1.77	1,988	5,099
Region 2	259	8.33	1.33	1.33	346	259
Region 3	519	16.67	0.14	1.00	519	3,802
Region 4	864	27.78	0.23	1.50	1,296	5,531
Region 5	346	11.11	0.52	2.75	951	1,815
Unknown	0	0.00	0.00	0.00	0	0

Table 31: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Snipe (6)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	86	16.67	1.00	1.00	86	86
Region 2	259	50.00	0.50	0.67	173	346
Region 3	0	0.00	0.00	0.00	0	0
Region 4	0	0.00	0.00	0.00	0	0
Region 5	173	33.33	4.00	6.00	1,037	259
Unknown	0	0.00	0.00	0.00	0	0

Table 32: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Rail (1)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	0	0.00	0.00	0.00	0	0
Region 2	0	0.00	0.00	0.00	0	0
Region 3	0	0.00	0.00	0.00	0	0
Region 4	86	**. **	2.00	6.00	519	259
Region 5	0	0.00	0.00	0.00	0	0
Unknown	0	0.00	0.00	0.00	0	0

Table 33: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Crow (115)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	3,543	35.65	1.43	6.05	21,432	14,951
Region 2	1,383	13.91	1.35	3.88	5,358	3,975
Region 3	1,296	13.04	1.22	2.93	3,802	3,111
Region 4	1,901	19.13	1.79	6.36	12,099	6,741
Region 5	1,815	18.26	3.27	13.10	23,766	7,259
Unknown	0	0.00	0.00	0.00	0	0

Table 34: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Groundhog (81)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	2,074	29.63	0.79	5.79	12,012	15,124
Region 2	951	13.58	0.71	3.64	3,457	4,840
Region 3	605	8.64	0.44	2.71	1,642	3,716
Region 4	1,642	23.46	0.68	3.32	5,444	7,951
Region 5	1,728	24.69	0.43	2.80	4,840	11,235
Unknown	0	0.00	0.00	0.00	0	0

Table 35: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Fox Squirrel (1133)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	26,790	27.36	1.27	7.66	205,334	162,210
Region 2	2,247	2.29	1.01	4.96	11,148	11,062
Region 3	11,840	12.09	1.18	6.29	74,494	63,173
Region 4	36,037	36.80	1.49	9.26	333,581	224,606
Region 5	20,914	21.36	1.40	6.81	142,507	101,544
Unknown	86	0.09	2.00	2.00	173	86

Table 36: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Gray Squirrel (786)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	11,840	17.43	0.73	4.32	51,161	70,519
Region 2	2,506	3.69	0.58	2.97	7,432	12,790
Region 3	5,617	8.27	1.18	5.05	28,346	23,938
Region 4	25,753	37.91	1.61	9.08	233,766	145,013
Region 5	22,210	32.70	1.59	9.17	203,692	128,420
Unknown	0	0.00	0.00	0.00	0	0

Table 37: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Deer-Long gun (2023)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	43,815	25.06	0.19	0.81	35,605	190,643
Region 2	4,148	2.37	0.12	0.52	2,161	17,457
Region 3	19,272	11.02	0.16	0.69	13,309	82,531
Region 4	54,358	31.09	0.20	0.91	49,259	245,433
Region 5	47,790	27.34	0.20	0.81	38,716	194,013
Unknown	5,444	3.11	0.18	0.83	4,494	24,457

Table 38: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Deer-Handgun (176)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	2,679	17.61	0.04	0.10	259	6,482
Region 2	259	1.70	0.00	0.00	0	605
Region 3	1,210	7.95	0.21	0.43	519	2,506
Region 4	4,580	30.11	0.08	0.25	1,123	14,346
Region 5	6,049	39.77	0.10	0.26	1,556	15,296
Unknown	432	2.84	0.00	0.00	0	1,123

Table 39: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Deer-Archery (1040)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	23,333	25.96	0.02	0.56	13,049	581,088
Region 2	9,333	10.38	0.02	0.44	4,148	202,309
Region 3	12,358	13.75	0.02	0.56	6,914	280,260
Region 4	23,420	26.06	0.03	0.58	13,568	538,137
Region 5	17,975	20.00	0.03	0.81	14,519	450,853
Unknown	3,457	3.85	0.01	0.23	778	61,013

Table 40: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Raccoon (229)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	6,827	34.50	1.43	18.28	124,790	87,371
Region 2	691	3.49	0.72	13.50	9,333	12,963
Region 3	2,420	12.23	1.16	23.07	55,827	48,222
Region 4	6,482	32.75	1.92	15.19	98,432	51,161
Region 5	3,370	17.03	0.90	15.33	51,679	57,556
Unknown	0	0.00	0.00	0.00	0	0

Table 41: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Red Fox (47)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	1,123	27.66	0.08	0.62	691	8,815
Region 2	432	10.64	0.30	0.60	259	864
Region 3	519	12.77	0.05	0.67	346	6,741
Region 4	1,383	34.04	0.34	2.31	3,198	9,506
Region 5	605	14.89	0.22	2.00	1,210	5,617
Unknown	0	0.00	0.00	0.00	0	0

Table 42: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Gray Fox (17)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	346	23.53	0.00	0.00	0	1,642
Region 2	173	11.76	0.00	0.00	0	519
Region 3	173	11.76	0.00	0.00	0	1,123
Region 4	432	29.41	0.07	0.40	173	2,333
Region 5	346	23.53	0.12	1.25	432	3,716
Unknown	0	0.00	0.00	0.00	0	0

Table 43: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Coyote (373)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	10,889	33.78	0.18	2.04	22,210	122,284
Region 2	1,556	4.83	0.12	0.89	1,383	11,926
Region 3	5,099	15.82	0.19	1.59	8,123	43,729
Region 4	9,333	28.95	0.29	3.81	35,519	120,988
Region 5	5,358	16.62	0.32	3.48	18,667	58,334
Unknown	0	0.00	0.00	0.00	0	0

Table 44: Summary of 1995 Hunting Effort and Success in Administrative Regions in Illinois for the Species Listed Below.
Number in parentheses represents sample size.

Opossum (59)

Administrative Region	Estimated Number of Hunters	Percent of Hunters	Average Bag Daily	Bag Season	Estimated Total Harvest	Estimated Days Afield
Region 1	1,728	33.90	0.27	3.45	5,963	21,778
Region 2	519	10.17	0.40	1.67	864	2,161
Region 3	519	10.17	0.90	1.50	778	864
Region 4	1,556	30.51	0.91	5.33	8,296	9,074
Region 5	778	15.25	0.44	2.67	2,074	4,753
Unknown	0	0.00	0.00	0.00	0	0

Table 45. Percent change in harvest from 1994 to 1995 in Administrative Regions for selected species.

Administrative Region	Rabbit	Quail	Pheasant	Fox Squirrel	Gray Squirrel	Dove	Raccoon	Red Fox	Gray Fox	Coyote
Region 1	-16	-17	7	0	-30	-6	61	-82	-100	-21
Region 2	-20	-55	38	-26	-34	54	-1	--	--	-10
Region 3	14	-6	26	-2	2	22	2	-79	-100	-59
Region 4	-15	-10	-11	-6	-18	3	-7	47	90	31
Region 5	13	-22	-30	-17	-27	13	-29	-17	-74	17

Table 46. Distribution of hunting effort and success among resident Illinois hunters in 1995.

	<u>Days Afield</u>		<u>Animals Harvested</u>	
	<u>Range</u>	<u>Percent of Hunters</u>	<u>Range</u>	<u>Percent of Hunters</u>
Rabbit	0	---	0	17.0
	1-5	69.4	1-5	47.4
	6-10	19.4	6-10	19.6
	11-14	3.2	11-14	4.4
	15-19	2.2	15-19	3.8
	20-24	2.8	20-24	3.0
	25+	3.0	25+	4.8
Quail	0	---	0	21.3
	1-5	64.5	1-5	40.4
	6-10	17.8	6-10	16.3
	11-14	4.6	11-14	2.9
	15-19	4.3	15-19	3.1
	20-24	4.4	20-24	4.5
	25+	4.4	25+	11.5
Pheasant	0	---	0	26.2
	1-5	63.2	1-5	51.6
	6-10	21.7	6-10	14.6
	11-14	4.8	11-14	1.7
	15-19	3.4	15-19	2.8
	20-24	3.9	20-24	1.5
	25+	2.9	25+	1.6
Dove	0	---	0	9.4
	1-5	75.1	1-5	23.0
	6-10	17.4	6-10	16.2
	11-14	2.2	11-14	6.0
	15-19	1.9	15-19	9.2
	20-24	1.8	20-24	8.4
	25+	1.6	25+	27.8
Gray Partridge	0	---	0	47.0
	1-5	76.5	1-5	47.1
	6-10	5.9	6-10	---
	11-14	---	11-14	---
	15-19	5.9	15-19	---
	20-24	11.8	20-24	---
	25+	---	25+	5.9
Woodcock	0	---	0	22.2
	1-5	72.2	1-5	75.0
	6-10	11.1	6-10	2.8
	11-14	2.8	11-14	---
	15-19	5.6	15-19	---
	20-24	2.8	20-24	---
	25+	5.5	25+	---

	Days Afield		Animals Harvested	
	Range	Percent of Hunters	Range	Percent of Hunters
Snipe	0	---	0	33.3
	1-5	100	1-5	50.0
	6-10	---	6-10	16.7
	11-14	---	11-14	---
	15-19	---	15-19	---
	20-24	---	20-24	---
	25+	---	25+	---
Rails	0	---	0	---
	1-5	100	1-5	---
	6-10	---	6-10	100
	11-14	---	11-14	---
	15-19	---	15-19	---
	20-24	---	20-24	---
	25+	---	25+	---
Crow	0	---	0	16.5
	1-5	85.2	1-5	55.7
	6-10	10.4	6-10	11.3
	11-14	0.9	11-14	0.9
	15-19	---	15-19	3.5
	20-24	0.9	20-24	4.3
	25+	2.6	25+	7.8
Woodchuck	0	---	0	11.1
	1-5	64.2	1-5	65.4
	6-10	19.7	6-10	18.5
	11-14	2.5	11-14	2.6
	15-19	3.7	15-19	1.2
	20-24	7.4	20-24	---
	25+	2.5	25+	1.2
Fox Squirrel	0	---	0	9.0
	1-5	71.4	1-5	47.7
	6-10	19.1	6-10	22.9
	11-14	2.0	11-14	3.7
	15-19	2.8	15-19	4.9
	20-24	2.1	20-24	5.0
	25+	2.6	25+	6.8
Gray Squirrel	0	---	0	11.6
	1-5	71.1	1-5	46.2
	6-10	19.6	6-10	20.5
	11-14	2.3	11-14	5.3
	15-19	2.8	15-19	5.5
	20-24	1.9	20-24	4.1
	25+	2.3	25+	6.8

	<u>Days Afield</u>		<u>Animals Harvested</u>	
	<u>Range</u>	<u>Percent of Hunters</u>	<u>Range</u>	<u>Percent of Hunters</u>
Deer-Long gun	0	---	0	37.8
	1-5	63.8	1-5	62.0
	6-10	36.2	6-10	0.2
	11-14	---	11-14	---
	15-19	---	15-19	---
	20-24	---	20-24	---
	25+	---	25+	---
Deer-Handgun	0	---	0	77.8
	1-5	100	1-5	22.2
	6-10	---	6-10	---
	11-14	---	11-14	---
	15-19	---	15-19	---
	20-24	---	20-24	---
	25+	---	25+	---
Deer-Archery	0	---	0	63.5
	1-5	16.4	1-5	36.0
	6-10	17.1	6-10	0.5
	11-14	5.6	11-14	---
	15-19	10.6	15-19	---
	20-24	13.7	20-24	---
	25+	36.6	25+	---
Raccoon	0	---	0	6.5
	1-5	49.3	1-5	44.1
	6-10	17.9	6-10	9.2
	11-14	6.1	11-14	2.2
	15-19	4.8	15-19	5.7
	20-24	2.2	20-24	7.9
	25+	19.7	25+	24.4
Red Fox	0	---	0	44.7
	1-5	59.6	1-5	51.1
	6-10	27.7	6-10	2.1
	11-14	---	11-14	---
	15-19	4.2	15-19	2.1
	20-24	2.1	20-24	---
	25+	6.4	25+	---
Gray Fox	0	---	0	76.5
	1-5	58.8	1-5	23.5
	6-10	35.3	6-10	---
	11-14	---	11-14	---
	15-19	---	15-19	---
	20-24	---	20-24	---
	25+	5.9	25+	---

	<u>Days Afield</u>		<u>Animals Harvested</u>	
	<u>Range</u>	<u>Percent of Hunters</u>	<u>Range</u>	<u>Percent of Hunters</u>
Coyote	0	---	0	33.3
	1-5	59.5	1-5	56.8
	6-10	18.8	6-10	5.2
	11-14	1.9	11-14	0.5
	15-19	2.7	15-19	2.4
	20-24	5.9	20-24	0.5
	25+	11.2	25+	1.3
Opossum	0	---	0	6.8
	1-5	74.6	1-5	78.0
	6-10	8.5	6-10	10.2
	11-14	3.4	11-14	---
	15-19	1.7	15-19	1.7
	20-24	---	20-24	3.3
	25+	11.8	25+	---

Table 47. Statewide data from resident Illinois hunters, 1985-95.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Afield	Estimated Total Days Afield
RABBIT						
1985	167,639	1.27	7.85	1,315,970	6.16	1,033,157
1986	168,485	1.23	7.42	1,250,157	6.04	1,017,450
1987	165,173	1.31	7.35	1,214,022	5.63	929,265
1988	158,781	1.15	6.21	986,030	5.40	858,340
1989	154,390	1.19	7.13	1,101,128	5.97	921,615
1990	162,560	1.34	7.95	1,293,154	5.95	966,626
1991	161,293	1.17	7.32	1,180,618	6.25	1,007,512
1992	129,272	1.05	6.20	802,045	5.90	762,290
1993	130,374	1.13	6.72	875,688	5.96	777,425
1994	141,659	1.06	6.25	884,850	5.92	838,808
1995	128,673	1.10	6.52	838,322	5.94	763,831
QUAIL						
1985	77,494	1.54	10.23	792,764	6.65	515,076
1986	85,417	1.63	10.74	917,381	6.57	561,277
1987	86,940	1.81	11.54	1,003,286	6.39	555,195
1988	88,546	1.53	8.99	796,025	5.89	521,981
1989	83,208	1.53	9.24	768,918	6.05	503,614
1990	84,989	1.69	10.90	926,432	6.45	548,252
1991	84,281	1.64	10.99	926,411	6.70	564,866
1992	71,964	1.54	10.49	755,181	6.82	490,933
1993	67,791	1.68	11.26	763,057	6.70	454,092
1994	75,407	1.61	11.19	843,974	6.94	523,677
1995	72,244	1.43	9.78	706,278	6.84	494,040
PHEASANT						
1985	92,289	0.45	2.66	245,488	5.85	540,252
1986	95,642	0.53	2.97	284,057	5.59	534,731
1987	106,641	0.61	3.47	370,045	5.73	611,121
1988	99,168	0.64	3.45	342,130	5.41	536,514
1989	97,908	0.60	3.45	338,267	5.72	560,096
1990	97,761	0.61	3.81	372,920	6.22	608,261
1991	94,845	0.64	4.13	391,419	6.50	616,661
1992	78,985	0.59	3.32	262,229	5.67	447,580
1993	83,123	0.60	3.66	304,239	6.09	505,972
1994	89,727	0.54	3.27	293,560	6.05	542,439
1995	85,811	0.62	3.91	335,208	6.28	539,149

Table 47. Statewide data from resident Illinois hunters, 1985-95.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days		Estimated Total Days Afield
					Afield	Afield	
DOVE							
1985	66,100	3.57	17.59	1,162,692	4.92		325,608
1986	69,731	3.81	19.95	1,391,133	5.24		365,167
1987	74,039	4.08	19.57	1,448,937	4.80		355,132
1988	74,708	4.34	22.82	1,704,840	5.26		392,968
1989	80,625	4.56	24.35	1,963,500	5.34		430,384
1990	79,449	3.70	19.69	1,564,275	5.32		422,975
1991	84,054	3.83	18.08	1,519,787	4.71		396,303
1992	73,631	3.86	20.48	1,507,817	5.30		390,272
1993	71,455	4.28	20.99	1,499,884	4.91		350,719
1994	68,700	3.95	18.82	1,293,242	4.77		327,729
1995	73,626	3.95	19.34	1,424,136	4.90		360,441
GRAY PARTRIDGE							
1985	2,506	0.53	2.76	6,915	5.17		12,948
1986	3,239	0.47	3.00	9,717	6.33		20,513
1987	2,161	0.11	0.64	1,383	5.82		12,583
1988	3,005	0.15	0.77	2,314	5.12		15,374
1989	2,673	0.19	0.97	2,583	5.03		13,452
1990	2,348	0.09	0.60	1,409	6.88		16,153
1991	2,612	0.08	0.65	1,704	8.57		22,377
1992	1,492	0.08	0.47	702	5.65		8,425
1993	1,157	0.09	1.25	1,446	13.67		15,815
1994	816	0.06	0.44	363	7.78		6,344
1995	1,469	0.61	3.24	4,753	5.29		7,777
WOODCOCK							
1985	6,204	0.32	1.69	10,485	5.20		32,273
1986	5,906	0.60	2.61	15,514	4.32		25,530
1987	7,181	0.68	2.96	21,257	4.37		31,395
1988	5,591	0.44	1.84	10,287	4.16		23,272
1989	7,394	0.46	2.00	14,789	4.31		31,894
1990	6,104	0.33	1.85	11,269	5.68		34,653
1991	7,724	0.39	1.75	13,517	4.54		35,098
1992	5,266	0.47	1.98	10,444	4.20		22,116
1993	4,532	0.47	1.77	8,004	3.77		17,068
1994	2,810	0.38	2.68	7,523	7.00		19,667
1995	3,111	0.31	1.64	5,099	5.31		16,505

Table 47. Statewide data from resident Illinois hunters, 1985-95.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Afield	Estimated Total Days Afield
COMMON SNIPE						
1985	1,312	0.52	2.00	2,625	3.82	5,009
1986	1,207	1.09	3.84	4,633	3.53	4,255
1987	953	0.48	2.13	2,031	4.40	4,194
1988	1,747	0.96	2.96	5,172	3.08	5,381
1989	1,247	0.67	1.14	1,425	1.71	2,138
1990	1,596	0.37	1.47	2,348	4.00	6,386
1991	1,022	0.26	1.00	1,022	3.89	3,976
1992	878	0.44	1.70	1,492	3.90	3,423
1993	1,350	0.54	2.14	2,893	4.00	5,400
1994	272	6.75	9.00	2,447	1.33	363
1995	518	1.88	2.50	1,296	1.33	691
RAIL						
1985	477	1.86	0.88	420	4.75	2,266
1986	254	0.08	0.25	64	3.25	826
1987	254	0.25	2.50	636	10.00	2,542
1988	140	0.50	0.50	70	1.00	140
1989	356	0.00	0.00	0	13.01	4,632
1990	376	0.55	2.75	1,033	5.00	1,878
1991	341	0.25	1.00	341	4.00	1,363
1992	351	0.48	2.50	878	5.25	1,843
1993	579	0.06	0.17	96	3.00	1,736
1994	0	0.00	0.00	0	0.00	0
1995	86	2.00	6.00	518	3.00	259
CROW						
1985	11,514	1.53	6.20	71,385	4.05	46,652
1986	10,098	1.47	6.36	64,221	4.43	43,820
1987	11,376	2.26	8.08	91,917	3.57	40,610
1988	10,552	2.60	11.42	120,514	4.40	46,429
1989	9,800	1.52	7.10	69,578	4.66	45,702
1990	12,490	1.50	6.69	83,581	4.47	55,877
1991	11,472	2.14	7.55	86,666	3.52	40,437
1992	11,233	1.84	9.21	103,470	5.00	56,167
1993	8,775	2.30	9.09	79,748	3.95	34,619
1994	9,879	1.50	9.15	90,361	6.11	60,362
1995	9,938	1.84	6.69	66,454	3.63	36,035

Table 47. Statewide data from resident Illinois hunters, 1985-95.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Afield	Estimated Total Days Afield
WOODCHUCK						
1985	15,093	0.76	4.64	70,032	6.07	91,632
1986	13,146	0.61	3.54	46,537	5.79	76,145
1987	11,884	0.69	3.71	44,091	5.38	63,934
1988	12,649	0.75	3.81	48,194	5.10	64,510
1989	12,027	0.74	5.38	64,678	7.27	87,484
1990	11,363	0.43	4.26	48,364	9.97	113,257
1991	11,699	0.59	3.71	43,390	6.26	73,263
1992	11,409	0.48	3.41	38,878	7.04	80,301
1993	7,039	0.80	3.96	27,868	4.97	35,004
1994	9,788	0.52	3.30	32,265	6.36	62,265
1995	7,000	0.64	3.91	27,394	6.12	42,862
FOX SQUIRREL						
1985	119,910	1.38	9.40	1,127,153	6.79	814,195
1986	120,791	1.34	0.04	1,091,949	6.69	808,511
1987	118,716	1.51	8.82	1,047,076	5.84	693,231
1988	121,182	1.57	10.20	1,236,060	6.49	786,844
1989	122,318	1.65	9.33	1,141,306	5.64	689,452
1990	116,731	1.55	9.23	1,076,971	5.97	696,726
1991	127,558	1.42	8.29	1,057,717	5.84	745,355
1992	113,211	1.60	8.65	979,585	5.41	612,394
1993	104,627	1.39	8.04	841,551	5.77	603,560
1994	108,760	1.38	7.56	821,769	5.48	595,821
1995	97,909	1.36	7.84	767,201	5.75	562,655
GRAY SQUIRREL						
1985	69,261	1.09	7.92	548,550	7.27	503,320
1986	75,701	1.24	8.36	632,857	6.76	511,678
1987	74,928	1.41	7.76	581,445	5.49	411,121
1988	75,407	1.41	9.46	713,350	6.72	506,735
1989	75,457	1.73	9.02	680,365	5.22	393,591
1990	72,969	1.46	8.79	641,130	6.01	438,564
1991	84,622	1.47	7.55	638,697	5.12	433,560
1992	75,738	1.49	8.08	611,604	5.42	410,545
1993	71,552	1.38	7.75	554,670	5.63	403,177
1994	75,950	1.57	8.89	675,488	5.65	429,329
1995	67,923	1.38	7.72	524,372	5.60	380,662

Table 47. Statewide data from resident Illinois hunters, 1985-95.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Afield	Estimated Total Days Afield
DEER (Shotgun & Muzzleloading rifles)						
1985	100,760	0.13	0.52	52,395	3.92	395,285
1986	105,486	0.15	0.52	54,852	3.53	372,343
1987	112,424	0.17	0.57	64,082	3.34	375,913
1988	128,800	0.19	0.56	72,128	2.88	370,944
1989	128,108	0.18	0.62	79,645	3.41	437,333
1990	143,214	0.20	0.65	92,878	3.32	475,659
1991	166,972	0.18	0.71	118,357	4.01	669,252
1992	166,658	0.18	0.76	127,341	4.28	712,793
1993	168,754	0.17	0.75	127,192	4.32	728,727
1994	181,719	0.17	0.74	133,593	4.39	797,480
1995	174,820	0.19	0.82	143,537	4.32	754,498
DEER (Handgun)						
1991	6,702	0.14	0.31	2,045	2.25	15,107
1992	12,199	0.09	0.24	2,896	2.74	33,437
1993	12,922	0.08	0.27	3,472	3.43	44,358
1994	12,054	0.06	0.16	1,903	2.48	29,909
1995	15,209	0.09	0.23	3,457	2.65	40,356
DEER (Archery)						
1985	47,725	0.02	0.27	12,826	16.75	799,453
1986	50,869	0.01	0.21	10,683	17.60	895,325
1987	53,956	0.01	0.24	12,949	17.46	942,166
1988	63,107	0.02	0.27	17,039	17.50	1,104,407
1989	61,203	0.02	0.29	17,996	19.05	1,165,716
1990	70,339	0.02	0.31	21,787	19.48	1,369,974
1991	74,058	0.02	0.40	29,419	21.13	1,564,995
1992	82,495	0.02	0.45	37,298	22.32	1,841,395
1993	82,834	0.02	0.47	39,054	22.22	1,840,381
1994	83,292	0.02	0.48	40,241	22.36	1,862,599
1995	89,873	0.03	0.59	52,973	23.52	2,113,563

Table 47. Statewide data from resident Illinois hunters, 1985-95.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Afield	Estimated Total Days Afield
RACCOON						
1985	33,348	0.94	9.98	332,814	10.65	355,076
1986	35,755	0.99	11.30	404,027	11.41	408,098
1987	35,081	1.10	11.26	395,012	10.21	358,055
1988	26,207	1.01	10.54	276,225	10.43	273,254
1989	22,539	0.96	10.68	240,805	11.18	251,941
1990	20,379	0.98	9.37	191,015	9.54	194,490
1991	21,695	1.20	17.95	389,488	14.97	324,744
1992	19,483	1.25	19.95	388,692	15.95	310,848
1993	18,129	1.36	15.84	287,171	11.68	211,762
1994	22,749	1.14	14.12	321,113	12.42	282,503
1995	19,789	1.32	17.18	340,047	13.00	257,260
RED FOX						
1985	14,795	0.18	1.11	16,422	6.26	92,648
1986	15,432	0.17	1.15	17,747	6.65	102,628
1987	14,363	0.22	1.50	21,544	6.90	99,142
1988	9,994	0.19	0.95	9,494	5.11	51,069
1989	8,463	0.18	1.23	10,423	6.87	58,174
1990	8,734	0.27	2.47	21,600	9.04	78,979
1991	6,815	0.14	1.27	8,633	8.83	60,201
1992	7,109	0.14	1.70	12,111	12.57	89,340
1993	4,436	0.13	1.24	5,497	9.50	42,140
1994	6,979	0.14	1.30	9,063	9.10	63,534
1995	4,062	0.18	1.40	5,703	7.77	31,542
GRAY FOX						
1985	6,502	0.11	0.74	4,812	6.51	42,352
1986	5,144	0.14	0.86	4,424	6.19	31,817
1987	4,766	0.08	0.57	2,717	7.09	33,810
1988	3,684	0.39	2.31	8,395	5.92	21,513
1989	2,138	0.14	0.79	1,693	5.58	11,938
1990	2,348	0.25	2.52	5,916	10.08	23,666
1991	3,408	0.08	0.77	2,612	9.97	33,962
1992	2,721	0.05	0.52	1,404	11.23	30,541
1993	1,446	0.13	1.13	1,639	8.87	12,825
1994	2,991	0.08	0.73	2,175	8.91	26,646
1995	1,469	0.06	0.41	605	6.35	9,333

Table 47. Statewide data from resident Illinois hunters, 1985-95.

Species and Seasons	Estimated Total Hunters	Average Daily Bag	Average Season Bag	Estimated Total Harvest	Average Days Afield	Estimated Total Days Afield
COYOTE						
1985	30,604	0.22	1.60	48,966	7.30	223,534
1986	53,024	0.21	1.81	59,773	8.81	290,800
1987	34,636	0.35	3.07	106,333	8.73	302,383
1988	32,217	0.27	2.27	73,134	8.52	274,489
1989	34,655	0.26	2.36	81,961	9.07	314,391
1990	34,277	0.32	2.78	95,226	8.58	294,129
1991	35,439	0.28	2.69	95,299	9.52	337,352
1992	33,349	0.23	2.84	94,606	12.48	416,161
1993	33,751	0.23	3.03	102,120	13.17	444,449
1994	38,066	0.23	2.43	92,536	10.80	411,021
1995	32,233	0.24	2.66	85,898	11.08	357,244
OPOSSUM						
1985	9,963	0.41	3.75	37,360	9.09	90,562
1986	11,622	0.70	5.90	68,569	8.48	98,563
1987	11,948	0.67	5.16	61,651	7.76	92,660
1988	7,827	0.60	4.97	38,901	8.25	64,573
1989	5,523	0.56	4.31	23,786	7.71	42,584
1990	6,010	0.65	3.27	19,627	5.05	30,333
1991	5,679	0.47	4.28	24,308	9.08	51,568
1992	5,617	0.52	3.42	19,220	6.56	36,860
1993	4,822	0.63	3.38	16,297	5.38	25,940
1994	4,985	0.33	3.05	15,226	9.38	46,767
1995	5,099	0.47	3.53	17,975	7.58	38,628

Table 48. Percent Change in Statewide Harvest.

Species	1995 Estimated Harvest	% Change 1 Year*	% Change 5 Years*	% Change 10 Years*
Rabbit	838,322	-5	-35	-36
Quail	706,278	-16	-24	-11
Pheasant	335,208	14	-10	37
Dove	1,424,136	10	-9	22
Gray Partridge	4,753	1209	237	-31
Woodcock	5,099	-32	-55	-51
Common Snipe	1,296	-47	-45	-51
Rail	518	--	-50	23
Crow	66,454	-26	-20	-7
Groundhog	27,394	-15	-43	-61
Fox Squirrel	767,201	-7	-29	-32
Gray Squirrel	524,372	-22	-18	-4
Deer-Long gun**	143,537	7	55	174
Deer-Handgun	3,457	82	--	--
Deer-Archery	52,973	32	143	313
Raccoon	340,047	6	78	2
Red Fox	5,703	-37	-74	-65
Gray Fox	605	-72	-90	-87
Coyote	85,898	-7	-10	75
Opossum	17,975	18	-8	-52

* From 1994, 1990, and 1985, respectively; see also Table 47.

** Shotgun with slug or muzzleloading rifle.

Table 49. The percentage of resident hunting (including Sportsmen's combination and senior citizen) license holders who purchased a habitat stamp, and the percentage of resident habitat stamp holders who purchased a hunting license, in Illinois in 1995. Sample sizes are in parentheses.

License or Stamp Holder	Percentage of Holders
Hunting license holders who purchased a habitat stamp	89.9 (1,343)
Habitat stamp holders who purchased a hunting license	96.0 (766)

Table 50. Experiences of resident hunters in obtaining and using the Illinois Digest of Hunting and Trapping Regulations--1995-96. Sample sizes are in parentheses.

Responses to the questions:

"Did you obtain a copy of the 1995-96 Illinois Digest of Hunting and Trapping Regulations?"

	Administrative Regions					State-wide
	1	2	3	4	5	
Yes	(790) 78%	(490) 87%	(424) 81%	(1,009) 71%	(512) 74%	(3,314) 77%
No	22	13	19	29	26	23

If YES:

"How easy or difficult was it for you to find a copy of the Digest?"

	Administrative Regions					State-wide
	1	2	3	4	5	
Very easy	(611) 79%	(424) 78%	(339) 85%	(712) 76%	(377) 75%	(2,532) 78%
Slightly difficult	15	17	12	18	18	16
Very difficult	2	1	1	2	2	2
Don't recall	4	4	2	4	5	4

"Did you keep and use your copy of the Digest throughout most of the 1995-96 hunting season."

	Administrative Regions					State-wide
	1	2	3	4	5	
Yes	(611) 92%	(424) 91%	(339) 92%	(708) 91%	(375) 90%	(2,526) 91%
No	8	9	8	9	10	9

"How useful was the information in the Digest to you?"

	Administrative Regions					State-wide
	1	2	3	4	5	
Very useful	(610) 64%	(423) 63%	(341) 67%	(710) 61%	(377) 56%	(2,530) 62%
Somewhat useful	35	35	31	36	40	35
Not useful	<1	1	1	1	2	1
Undecided	1	1	1	2	2	2

Table 50 - continued.

Table 50. Continued Page 2.

"If you did not obtain a copy of the Digest, give reason?"

	Administrative Regions					State- wide
	1	2	3	4	5	
	(166)	(61)	(69)	(271)	(121)	(708)
*Did not know digest was available	52%	56%	54%	56%	55%	54%
*Could not find a copy	16	23	14	18	18	18
*Did not look for digest or did not want/need a copy	30	21	32	25	26	27
*Other reasons	2	0	0	1	1	1

Table 51. Suggestions offered by resident hunters for improving the Illinois Digest of Hunting and Trapping Regulations-1995-96. The sample size is in parentheses.

Responses to the question,

"Do you have suggestions for improving the Digest?"

	(247)
Make Digest pocket size or include pull-out card that summarizes regulations	18%
List and provide map for all public hunting areas	8
Make Digest more available and include permit applications	7
Make Digest simpler and easier to understand	6
Use larger print for sunrise/sunset charts	6
Others (58 different suggestions)	55

Table 52. Gender of resident hunters in Illinois in 1995.

Species Hunted	n	Percentage of Hunters	
		Male	Female
<u>Upland Wildlife</u>			
Rabbits	1,474	98.8	1.2
Quail	828	98.9	1.1
Pheasants	997	98.7	1.3
Doves	843	98.5	1.5
Gray (Hungarian) partridge	--- ^a	--- ^a	--- ^a
Woodcock	---	---	---
Snipe	---	---	---
Rails	---	---	---
Crows	113	100	0.0
Groundhog (Woodchuck)	81	98.8	1.2
Sub-total	2,211	98.3	1.7
<u>Forest Wildlife</u>			
Squirrels (fox and gray)	1,246	98.2	1.8
Deer-long gun	1,998	96.0	4.0
Deer-handgun	173	97.1	2.9
Deer-archery	1,030	98.0	2.0
Sub-total	2,712	96.2	3.8
<u>Furbearers</u>			
Raccoons	225	99.1	0.9
Foxes (red and gray)	49	100	0.0
Coyotes	370	98.1	1.9
Opossums	57	96.5	3.5
Sub-total	533	97.9	2.1
<u>All species</u>			
Hunting license holders	1,183 ^b	96.9	3.1
Habitat stamp holders	716 ^b	95.7	4.3
Total	3,354 ^{b,c}	96.7	3.3

^aSample was too small to calculate percentage.

^bFor all respondents (including those who did not hunt), the gender was 97.0% male/3.0% female (n=1,379) for hunting license holders, 95.1% male/4.9% female (n=779) for habitat stamp holders, and 96.6% male/3.4% female (n=3,711) for total respondents.

^cIncludes 1,586 respondents who could not be identified as to whether they were hunting license holders or habitat stamp holders.

Table 53. Age of Illinois resident hunting (including Sportsmen's combination and senior citizen) license holders and resident Illinois Habitat Stamp holders in 1995. Sample sizes are in parentheses.

Parameter	<u>Hunting License Holders^a</u>		<u>Habitat Stamp Holders^b</u>	
	All	Active Hunters	All	Active Hunters
Mean (years)	(1,310) 41.2	(1,122) 40.5	(73) 41.0	(672) 40.6
Range (years)	9-92	9-92	11-80	11-80
Distribution (years)				
9-15	5.6%	6.3%	1.5%	1.5%
16-20	6.0	6.4	6.8	7.1
21-30	13.2	13.8	16.7	17.0
31-40	21.7	22.3	27.7	28.4
41-50	24.3	23.5	20.6	20.3
51-60	19.6	19.1	15.9	15.6
61-64	4.5	3.9	4.4	4.4
≥65	5.1	4.7	6.4	5.7

^aRequired for most hunters, regardless of age, in 1995.

^bRequired for most hunters, except those <16 years of age, in 1995. Waterfowl hunters who pursued no other game species were also exempt.

APPENDIX A.

Table A1. Number of resident hunting licenses purchased in Illinois, 1938-1995.

Year	Licenses (x 1,000)	Year	Licenses (x 1,000)	Year	Licenses (x 1,000)
1938	294	1959	492	1980	337
39	322	60	471	81	338
40	297	61	463	82	328
41	337	62	473	83	315
42	309	63	482	84	310
43	265	64	474	85	307
44	308	65	452	86	311
45	321	66	470	87	317
46	423	67	481	88	323
47	412	68	399	89	317
48	451	69	427	90	330
49	497	70	448	91	336
50	481	71	464	92	317
51	477	72	446	93	313
52	493	73	478	94	326 ^b
53	508	74	470	95	324
54	506	75	463		
55	521	76	458		
56	553	77	424		
57	503	78	389		
58	502	79	344 ^a		

^aIncludes Sportsmen's (combination hunting\fishing) licenses beginning in 1979, which was the 1st year for this license.

^bIncludes senior citizen (≥ 65 years) hunting licenses beginning in 1994, which was the 1st year for this license.